

WHAT IS CLAIMED IS:

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1. An antenna unit for a mobile communications terminal, comprising:

an ¹² antenna housing extending from a main body of the mobile

5 communications terminal, said antenna housing having therein a ^H helical antenna;

a ³⁰ whip antenna disposed retractably and extendably with respect to said

* antenna housing, having ³² at one end an insulator having a length shorter than a length
of the helical antenna and at another end ³³ a rod antenna; and

* a ⁴⁰ conductive tube disposed in a longitudinal direction of the main body below

10 the antenna housing, for receiving said rod antenna in the retracted and extended
position of said whip antenna, whereby said insulator is positioned within said
helical antenna when said whip antenna is fully retracted into said antenna housing.

2. An antenna unit according to claim 1, wherein said conductive tube is
15 made of a metal component.

3. The antenna unit according to claim 1, wherein said conductive tube
comprises on its inner surface ⁴² an insulating tube for isolation from said whip
antenna.

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4. An antenna unit according to claim 3, wherein said insulating tube extends along said conductive tube.

5. An antenna unit according to claim 3, wherein one end of said insulating tube protrudes in a longitudinal direction from a corresponding one end of said conductive tube, and a diameter of the other end of said insulating tube is formed to downwardly decrease within a corresponding other end of said conductive tube.

6. An antenna unit according to claim 3, wherein a length of said rod antenna is longer a length of said insulating tube.

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7. The antenna unit according to claim 1, wherein a length of said insulator is shorter than that of said helical antenna.

8. An antenna unit according to claim 1, wherein said conductive tube is grounded to the main body.